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     (FILE 'HOME' ENTERED AT 15:00:52 ON 07 APR 2005)

     FILE 'MEDLINE, CAPLUS' ENTERED AT 15:01:30 ON 07 APR 2005
L1            35 S GLUCOSE (S) MANNOSE (1W) RECEPTOR
L2          5534 S INNATE (1W) IMMUNITY
L3             0 S L1 (L) L2
L4         29205 S TH1
L5             0 S L1 AND L3
L6             0 S L2 AND L3
L7             0 S L2 (L) L3
L8            30 S L1 AND PY<2000
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L8 ANSWER 1 OF 30 MEDLINE on STN
SO Journal of biomaterials science. Polymer edition, **(1997)** 8 (12) 931-46.
Journal code: 9007393. ISSN: 0920-5063.
AB . . . of macrophages, polymers with branched mannose residues are expected to target moieties to macrophages. To achieve an efficient delivery of D-**glucose** analogue of muramyl dipeptide (GADP) via receptor-mediated endocytosis by **mannose receptors** on the surface of macrophages, GADP/carboxymethyl-dextran (CM-Dex)/Man conjugate was synthesized. Moreover, to study the effect of the introduction of mannose. . .

L8 ANSWER 2 OF 30 MEDLINE on STN
SO Thrombosis and haemostasis, **(1997 Oct)** 78 (4) 1249-54.
Journal code: 7608063. ISSN: 0340-6245.
AB . . . it has been shown that dextran increases t-PA plasma concentrations in patients. As dextran is a potential ligand for the **mannose receptor**, we studied whether this **glucose**-polymer would be able to inhibit **mannose receptor**-mediated clearance of t-PA. In this report we show that dextran 40 and dextran 70 were able to inhibit t-PA binding to the isolated human mannose receptor (IC50 14 and 4 mg/ml, respectively). Both **glucose**-polymers inhibited **mannose receptor** -mediated t-PA degradation by human monocyte-derived macrophages in vitro (IC50 7 and 2 mg/ml, respectively). The alpha2-macroglobulin receptor/low density lipoprotein receptor-related. . .

L8 ANSWER 3 OF 30 MEDLINE on STN
SO American journal of pathology, **(1996 Sep)** 149 (3) 975-85.
Journal code: 0370502. ISSN: 0002-9440.
AB A potential role for the macrophage **mannose receptor** in human monocyte-derived macrophage fusion was explored by testing the effects of previously described inhibitors of its activity on the. . . and synthetic neoglycoprotein conjugates according to the following pattern of relative inhibition: mannose-bovine serum albumin (BSA) > N-acetylgucosamine-BSA congruent to **glucose**-BSA. Laminarin (beta-glucan) or galactose-BSA were not inhibitory. Swainsonine and castanospermine, inhibitors of glycoprotein processing that interfere with the arrival of. . .

L8 ANSWER 4 OF 30 MEDLINE on STN
SO Archives of biochemistry and biophysics, **(1995 Dec 1)** 324 (1) 78-84.
Journal code: 0372430. ISSN: 0003-9861.
AB . . . by competition experiments. Binding and uptake of bee venom PLA2 by J774E macrophages was shown to be competed by mannose-BSA, **glucose**-BSA, N-acetylglucosamine-BSA, but not by galactose-BSA, indicating that the binding of bee venom PLA2 is probably mediated by macrophage **mannose receptor**. An affinity labeling experiment revealed that the bee venom PLA2 specifically binds to a single polypeptide with a mass of. . .

L8 ANSWER 5 OF 30 MEDLINE on STN
SO Parasitology, **(1994 Aug)** 109 (Pt 2) 139-47.
Journal code: 0401121. ISSN: 0031-1820.
AB . . . both infected and non-infected macrophages suggest that protein synthesis, in general, is suppressed in L. donovani-infected macrophages thus affecting also **mannose/glucose receptor** protein synthesis, resulting in fewer receptors on the macrophage surface.

=> d l8 6-30 kwic

L8 ANSWER 6 OF 30 MEDLINE on STN
SO Proceedings of the National Academy of Sciences of the United States of America, **(1985 Sep)** 82 (17) 5588-92.
Journal code: 7505876. ISSN: 0027-8424.
AB . . . degrees C; these processes were concentration dependent and

saturable. Competition experiments with AGE-BSA, BSA incubated with phosphate-buffered saline rather than **glucose**, and yeast mannan demonstrated that macrophages specifically recognize AGE on proteins by a receptor that is completely distinct from the **mannose**/fucose **receptor**. Scatchard analysis of AGE-BSA binding data indicated that there are approximately 1.06 X 10(5) receptors per macrophage, with an affinity. . .

L8 ANSWER 7 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
SO Journal of Biomaterials Science, Polymer Edition (**1997**), 8(12), 931-946
CODEN: JBSEEA; ISSN: 0920-5063
AB . . . of macrophages, polymers with branched mannose residues are expected to target moieties to macrophages. To achieve an efficient delivery of D-**glucose** analog of muramyl dipeptide (GADP) via receptor-mediated endocytosis by **mannose receptors** on the surface of macrophages, GADP/carboxymethyl-dextran (CM-Dex)/Man conjugate was synthesized. Moreover, to study the effect of the introduction of mannose. . .

L8 ANSWER 8 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
SO Thrombosis and Haemostasis (**1997**), 78(4), 1249-1254
CODEN: THHADQ; ISSN: 0340-6245
AB . . . Recently it was shown that dextran increases t-PA plasma concns. in patients. As dextran is a potential ligand for the **mannose receptor**, it was studied whether this **glucose**-polymer would be able to inhibit **mannose receptor**-mediated clearance of t-PA. Dextran 40 and dextran 70 were able to inhibit t-PA binding to the isolated human mannose receptor (IC50 14 and 4 mg/mL, resp.). Both **glucose**-polymers inhibited **mannose receptor**-mediated t-PA degradation by human monocyte-derived macrophages in vitro (IC50 7 and 2 mg/mL, resp.). The α2-macroglobulin receptor/low d. lipoprotein receptor-related. . .

L8 ANSWER 9 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
SO Journal of Biological Chemistry (**1997**), 272(38), 23703-23706
CODEN: JBCHA3; ISSN: 0021-9258
ST **glucose** IGF II **mannose** phosphate **receptor**; insulin secretion IGF II receptor glucose; phosphorylation membrane IGF II receptor glucose

L8 ANSWER 10 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
SO European Journal of Immunology (**1997**), 27(9), 2417-2425
CODEN: EJIMAF; ISSN: 0014-2980
IT Albumins, biological studies
RL: BOC (Biological occurrence); BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); OCCU (Occurrence); PROC (Process)
(serum, bovine, **glucose**-; **mannose receptor**, a high capacity and broad specificity antigen receptor in dendritic cells)

L8 ANSWER 11 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
SO Journal of Biological Chemistry (**1996**), 271(52), 33468-33475
CODEN: JBCHA3; ISSN: 0021-9258
IT **Mannose receptors**
RL: BOC (Biological occurrence); BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); OCCU (Occurrence); PROC (Process)
(sugar transport by marine chitinolytic bacterium Vibrio furnissii and mol. cloning and anal. of mannose/**glucose** permease)

L8 ANSWER 12 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
SO Carbohydrate Polymers (**1996**), 29(2), 111-118
CODEN: CAPOD8; ISSN: 0144-8617
AB . . . mannose residues of glucomannan are expected to act as targeting moieties to macrophages. So, to achieve an efficient delivery of D-**glucose** analog of muramyl dipeptide (GADP) via receptor-mediated

endocytosis by **mannose receptors** on the surface of macrophages, the GADP/carboxymethyl(CM)-glucomannan conjugate was synthesized. Moreover, to study the relation between the immunol. enhancement activity. . .

L8 ANSWER 13 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
SO Archives of Biochemistry and Biophysics (**1995**), 324(1), 78-84
CODEN: ABBIA4; ISSN: 0003-9861
AB . . . by competition expts. Binding and uptake of bee venom PLA2 by J774E macrophages was shown to be competed by mannose-BSA, **glucose** -BSA, N-acetylglucosamine-BSA, but not by galactose-BSA, indicating that the binding of bee venom PLA2 is probably mediated by macrophage **mannose receptor**. An affinity labeling experiment revealed that the bee venom PLA2 specifically binds to a single polypeptide with a mass of. . .

L8 ANSWER 14 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
SO Biologicheskie Membrany (**1994**), 11(6), 581-7
CODEN: BIMEE9; ISSN: 0233-4755
IT 50-99-7D, **Glucose**, polyacrylamide conjugates 59-23-4D, Galactose, polyacrylamide conjugates 2438-80-4D, Fucose, polyacrylamide conjugates 3458-28-4D, Mannose, polyacrylamide conjugates 7512-17-6D, N-Acetyl-glucosamine, polyacrylamide conjugates 9003-05-8D, Polyacrylamide, monosaccharide conjugates
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(neoglycoconjugates effect on luminol-dependent chemiluminescence of macrophages in relation to expression of **mannose**/fucose **receptor**)

L8 ANSWER 15 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
TI **Glucose** oxidase as a tool to study in vivo the interaction of glycosylated polymers with the **mannose receptor** of macrophages
SO Journal of Controlled Release (**1995**), 33(1), 115-23
CODEN: JCREEC; ISSN: 0168-3659
ST **glucose** oxidase glycosylated polymer **mannose receptor**; macrophage **mannose receptor** **glucose** oxidase polymer
IT Glycosidation
Macrophage
Pharmaceutical dosage forms
(**glucose** oxidase in study of interaction of glycosylated polymers as macromol. carriers with **mannose receptor** of macrophages)
IT Agglutinins and Lectins
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(**glucose** oxidase in study of interaction of glycosylated polymers as macromol. carriers with **mannose receptor** of macrophages)
IT Glycosides
RL: BPR (Biological process); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(**glucose** oxidase in study of interaction of glycosylated polymers as macromol. carriers with **mannose receptor** of macrophages)
IT Receptors
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(mannose, **glucose** oxidase in study of interaction of glycosylated polymers as macromol. carriers with **mannose receptor** of macrophages)
IT Phagocyte
(mononuclear, **glucose** oxidase in study of interaction of glycosylated polymers as macromol. carriers with **mannose receptor** of macrophages)
IT 9001-37-0, **Glucose** oxidase

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(**glucose** oxidase in study of interaction of glycosylated polymers as macromol. carriers with **mannose receptor** of macrophages)

IT 9004-54-0, Dextran, biological studies 9004-54-0D, Dextran, glycosylated 66888-26-4D, reaction products with dextran or polyaspartamide derivative 70337-77-8D, reaction products with dextran or polyaspartamide derivative 70679-99-1, Poly-α,β-[N-(2-hydroxyethyl)-DL-aspartamide] 70679-99-1D, Poly-α,β-[N-(2-hydroxyethyl)-DL-aspartamide], glycosylated 161643-25-0D, reaction products with dextran or polyaspartamide derivative
RL: BPR (Biological process); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(**glucose** oxidase in study of interaction of glycosylated polymers as macromol. carriers with **mannose receptor** of macrophages)

L8 ANSWER 16 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
SO Biochemical Journal (**1994**), 304(3), 1023
CODEN: BIJOAK; ISSN: 0264-6021
ST erratum IGF glucose uptake muscle mannose; IGF glucose uptake muscle mannose erratum; **glucose** uptake muscle **mannose receptor** erratum
IT Biological transport
(absorption, of **glucose**, in muscle of human, IGF-II stimulation of, **mannose** phosphate **receptor** in relation to (Erratum))
IT Obesity
(**glucose** uptake in muscle of human in, IGF-II effect on, **mannose** phosphate **receptor** in relation to (Erratum))
IT Diabetes mellitus
(maturity-onset, **glucose** uptake response to IGF-II in muscle in human in, **mannose** phosphate **receptor** in relation to (Erratum))
IT Muscle
(metabolism; **glucose** uptake in, of human, IGF-II stimulation of, **mannose** phosphate **receptor** in relation to (Erratum))
IT 67763-97-7, Insulin-like growth factor II
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(**glucose** uptake stimulation by, in muscle of human, **mannose** phosphate **receptor** in relation to (Erratum))
IT 50-99-7, D-**Glucose**, biological studies
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(uptake of, in muscle of human, IGF-II stimulation of, **mannose** phosphate **receptor** in relation to (Erratum))

L8 ANSWER 17 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
SO Parasitology (**1994**), 109(2), 139-47
CODEN: PARAAE; ISSN: 0031-1820
AB . . . both infected and non-infected macrophages suggest that protein synthesis, in general, is suppressed in L. donovani-infected macrophages thus affecting also **mannose/glucose receptor** protein synthesis, resulting in fewer receptors on the macrophage surface.

L8 ANSWER 18 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
SO European Journal of Endocrinology (**1994**), 131(4), 398-404
CODEN: EJOEEP; ISSN: 0804-4643
IT Animal nutrition
Blood plasma
Starvation
(IGF II/**mannose** phosphate **receptor** and IGF-binding proteins in fetal sheep plasma regulation by **glucose** and insulin)
IT Glycoproteins, specific or class
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL

(Biological study); PROC (Process)
(IGF-BP-1 (insulin-like growth factor-binding protein 1), IGF II/**mannose** phosphate **receptor** and IGF-binding proteins in fetal sheep plasma regulation by **glucose** and insulin)

IT Proteins, specific or class
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(IGF-BP-2 (insulin-like growth factor-binding protein 2), IGF II/**mannose** phosphate **receptor** and IGF-binding proteins in fetal sheep plasma regulation by **glucose** and insulin)

IT Glycoproteins, specific or class
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(IGF-BP-3 (insulin-like growth factor-binding protein 3), IGF II/**mannose** phosphate **receptor** and IGF-binding proteins in fetal sheep plasma regulation by **glucose** and insulin)

IT Glycoproteins, specific or class
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(IGF-BP-4 (insulin-like growth factor-binding protein 4), IGF II/**mannose** phosphate **receptor** and IGF-binding proteins in fetal sheep plasma regulation by **glucose** and insulin)

IT Embryo
(fetus, IGF II/**mannose** phosphate **receptor** and IGF-binding proteins in fetal sheep plasma regulation by **glucose** and insulin)

IT Receptors
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(insulin-like growth factor II/mannose phosphate, IGF II/**mannose** phosphate **receptor** and IGF-binding proteins in fetal sheep plasma regulation by **glucose** and insulin)

IT Proteins, specific or class
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(insulin-like growth factor-binding, IGF II/**mannose** phosphate **receptor** and IGF-binding proteins in fetal sheep plasma regulation by **glucose** and insulin)

IT 50-99-7, D-**Glucose**, biological studies 9004-10-8, Insulin, biological studies
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(IGF II/**mannose** phosphate **receptor** and IGF-binding proteins in fetal sheep plasma regulation by **glucose** and insulin)

L8 ANSWER 19 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
SO Biochemical Journal (**1994**), 300(3), 781-5
CODEN: BIJOAK; ISSN: 0264-6021
ST IGF **glucose** uptake muscle **mannose receptor**

IT Obesity
(**glucose** uptake in muscle of human in, IGF-II effect on, **mannose** phosphate **receptor** in relation to)

IT Muscle, metabolism
(**glucose** uptake in, of human, IGF-II stimulation of, **mannose** phosphate **receptor** in relation to)

IT Biological transport
(absorption, of **glucose**, in muscle of human, IGF-II stimulation of, **mannose** phosphate **receptor** in relation to)

IT Diabetes mellitus
(maturity-onset, **glucose** uptake response to IGF-II in muscle in human in, **mannose** phosphate **receptor** in relation to)

IT 67763-97-7, IGF-II
RL: BIOL (Biological study)
(**glucose** uptake stimulation by, in muscle of human, **mannose** phosphate **receptor** in relation to)

IT 50-99-7, D-**Glucose**, biological studies
RL: BIOL (Biological study)
(uptake of, in muscle of human, IGF-II stimulation of, **mannose** phosphate **receptor** in relation to)

L8 ANSWER 20 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
SO Archives of Biochemistry and Biophysics (**1992**), 298(1), 49-55
CODEN: ABBIA4; ISSN: 0003-9861
IT 50-99-7, D-**Glucose**, biological studies 59-23-4, D-Galactose, biological studies 617-04-9 1811-31-0 2438-80-4 3458-28-4, D-Mannose 3554-90-3 3615-41-6 3672-15-9 7512-17-6 22277-65-2 24656-23-3 28541-83-5 32581-41-2 40871-49-6 52482-67-4 59571-75-4 66091-47-2 68601-74-1 69879-09-0 70427-91-7 72028-62-7 78962-39-7 81555-72-8 82535-18-0 93253-17-9 95795-79-2 97242-84-7 100634-95-5 106445-35-6 111462-66-9 126673-17-4 137063-41-3 141969-01-9 145080-49-5 145166-16-1 145166-17-2
RL: BIOL (Biological study)
(**mannose receptor** of human placenta binding of, ligand structure in relation to)

L8 ANSWER 21 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
SO Biochemical Journal (**1992**), 283(3), 773-9
CODEN: BIJOAK; ISSN: 0306-3275
IT 50-99-7, D-**Glucose**, biological studies
RL: FORM (Formation, nonpreparative)
(formation of, from glycogen by liver, zymosan induction of, **mannose receptors** and peptidoleukotrienes and prostaglandins in)

L8 ANSWER 22 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
SO Endocrine Research (**1991**), 17(3-4), 357-66
CODEN: ENRSE8; ISSN: 0743-5800
IT 59-56-3, **Glucose** 1-phosphate 3672-15-9, Mannose-6-phosphate 15978-08-2, Fructose 1-phosphate
RL: BIOL (Biological study)
(insulin-like growth factor II/**mannose** phosphate **receptor** of osteoblast activation by, alkaline phosphatase formation in response to)

L8 ANSWER 23 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
SO Journal of Biological Chemistry (**1992**), 267(3), 1719-26
CODEN: JBCHA3; ISSN: 0021-9258
IT 50-99-7, **Glucose**, biological studies 2438-80-4, Fucose 7512-17-6
RL: BIOL (Biological study)
(**mannose receptor** of macrophage binding of, carbohydrate recognition domains in)

L8 ANSWER 24 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
SO Journal of Biological Chemistry (**1989**), 264(14), 7970-5
CODEN: JBCHA3; ISSN: 0021-9258
IT 56-73-5, **Glucose** 6-phosphate 3458-28-4, Mannose 3573-50-0, 2-Deoxyglucose 6-phosphate 9031-11-2, β-Galactosidase 15978-08-2, Fructose 1-phosphate 67763-97-7, Insulin-like growth factor II 79671-06-0
RL: BIOL (Biological study)
(**mannose** phosphate **receptor** cation-dependent and -independent forms affinity for)

L8 ANSWER 25 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
SO Carbohydrate Research (**1988**), 177, 153-61
CODEN: CRBRAT; ISSN: 0008-6215
IT 50-99-7, D-**Glucose**, biological studies 56-73-5 59-23-4, D-Galactose, biological studies 69-65-8, D-Mannitol 617-04-9, Methyl α-D-mannopyranoside 643-13-0, D-Fructose 6-phosphate 2438-80-4 3416-24-8, 2-Amino-2-deoxy-D-**glucose** 3458-28-4, D-Mannose 3615-37-0, D-Fucose 3615-41-6, L-Rhamnose 3616-42-0 4300-28-1,

D-Ribose 5-phosphate 6665-00-5, D-Galactose 6-phosphate 14307-02-9
15978-08-2, D-Fructose 1-phosphate 27251-84-9, D-Mannopyranose
1-phosphate 72672-17-4
RL: BIOL (Biological study)
(**mannose** phosphate **receptor** binding of, in testis)

L8 ANSWER 26 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
SO Journal of Biological Chemistry (**1987**), 262(13), 6101-7
CODEN: JBCHA3; ISSN: 0021-9258
IT 56-73-5, **Glucose** 6-phosphate
RL: BIOL (Biological study)
(**mannose** phosphate **receptor** binding of, in liposome, conformation response to)

L8 ANSWER 27 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
SO Preparative Biochemistry (**1985**), 15(3), 171-81
CODEN: PRBCBQ; ISSN: 0032-7484
IT Agglutinins and Lectins
RL: ANST (Analytical study)
(**glucose**- and **mannose**-specific, **receptors** for, determination of, on membranes of cultured cells by enzyme-linked lectin binding assay)

L8 ANSWER 28 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
SO Proceedings of the National Academy of Sciences of the United States of America (**1985**), 82(17), 5588-92
CODEN: PNASA6; ISSN: 0027-8424
AB . . . at 37°; these processes were concentration dependent and saturable. Competition expts. with AGE-BSA, BSA incubated with phosphate-buffered saline rather than **glucose**, and yeast mannan demonstrated that macrophages specifically recognize AGE on proteins by a receptor that is completely distinct from the **mannose**/fucose **receptor**. Scatchard anal. of AGE-BSA binding data indicated that there are ≈1.06 + 105 receptors/macrophage, with an affinity constant of 1.75. . .

L8 ANSWER 29 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
SO Biochimica et Biophysica Acta (**1983**), 759(3), 170-5
CODEN: BBACAQ; ISSN: 0006-3002
ST **mannose receptor** macrophage **glucose**; acetylglucosamine receptor macrophage glucose
IT Macrophage
(acetylglucosamine/**mannose receptors** of, **glucose** effect on)

L8 ANSWER 30 OF 30 CAPLUS COPYRIGHT 2005 ACS on STN
SO Biochemical and Biophysical Research Communications (**1981**), 101(2), 704-8
CODEN: BBRCA9; ISSN: 0006-291X
IT Glycoproteins
RL: BIOL (Biological study)
(clearance of, in diabetes, **glucose** competition for acetylglucosamine/**mannose receptor** in relation to)
IT Diabetes mellitus
(glycoprotein clearance in, **glucose** competition for acetylglucosamine/**mannose receptor** in relation to)